+

Substitute for	r form 1449A/PTO			Complet	e if K	nown
			Complete if Known Application Number 10 673927			
INFO	RMATION DISC	LOSURE	Filing Date		9/29/03	
_	TEMENT BY APP		First Named Inventor		SPEECE, Richard E.	
SIA	I EWIENI DI AFF.	LICANI	Group Art U		3748	
l ,		,			RICH TER	
	se as many sheets as nec		Examiner N			
Sheet	1 of 5			ocket Number	P000	637-US-01 (17884.0002)
ļ		U.S. PATER	IT DOCUMI	ENTS		
	U.S. Patent Document	<u>t _</u>		ļ		Pages, Columns, Lines,
F	W: 4 G-4	2 N	4 1:	Date of Publication Cited "Documer		Where Relevant
Examiner Cit Initials No		Name of Patento of Cited D		MM-DD-YYY		Passages or Relevant Figures Appear
5/2	6,036,749	Ribeiro et al.		03-14-2000		
7/_	5,968,352	Ditzler		10-19-1999		
	5,580,463	Hubred		12-03-1996		
 -= -	5,520,818 5,494,589	Smith et al. Moorehead et al.		05-28-1996 02-27-1996		· ···
	4,931,225	Cheng		06-05-1990		
	4,863,644	Harrington, Jam	s M. et al.	09-05-1989		
	4,545,945	Präve et al.		10-08-1985		
	4,415,508 4,235,719	Aida et al. Pearson		11-15-1983		
	4,171,263	Roberts, Jr. et al		10-16-1979		
	3,947,359	Laurie		03-30-1976		
	3,926,588	Speece		12-16-1975		
	3,779,913 3,772,187	Martin Othmer		12-18-1973 11-13-1973		
	3,617,537	Vermette		11-02-1971		
	4,251,365	Speece		02-17-1981		
	4,087,262	Speece		05-02-1978		
 	4,064,750 3,804,255	Speece Speece		12-27-1977 04-16-1974		
=	3,756,197	Buss et al.		09-04-1973		
	3,643,403	Speece		02-22-1972		
	4,203,841	Shimizu et al.		05-20-1980		
	4,911,838 3,677,936	Tanaka Bastiannse		03-27-1990 07-18-1972		
-	3,738,620	Ennis		06-12-1973		
	3,758,083	Palmer		09-11-1973		
	3,778,233	Blough et al. Mikhailov et al.		12-11-1973 06-11-1974		
	3,815,879 3,840,457	Wilson		10-08-1974		
_	3,927,152	Kyrias		12-16-1975		
	3,953,554	Loughridge		04-27-1976		
	3,956,124 3,981,273	Fast et al. Buss		05-11-1976 09-21-1976		
	3,984,323	Evens		10-05-1976	-+	
	3,992,491	Ihrig et al.		11-16-1976		
	4,044,720	Fast		08-30-1977		
-	4,133,850 4,146,478	Hauser Rongved		01-09-1979 03-27-1979		
	4,179,375	Smith		12-18-1979		
-	4,213,923	Bryson		07-22-1980		
	4,226,717	Malm Woltman		10-07-1980 10-07-1980		
	4,226,719 4,244,821	Molvar	 .	01-13-1981		
	4,248,707	Granger		02-03-1981		
	4,350,589	Stog		09-21-1982		
	4,368,121 4,421,648	Vasiliev et al. Besik	 	01-11-1983 12-20-1983		
-=-	4,474,713	Wickoren		10-02-1984	\dashv	
	4,504,388	Desbos et al.		03-12-1985		
	4,581,137	Edwards, deceas	ed et al.	04-08-1986		
<u></u>	4,587,064	Blum		05-06-1986		

Substitute for form 1449A/PTO Complete if Known 10 6 13 927 **Application Number** Filing Date 9/29/03 INFORMATION DISCLOSURE First Named Inventor SPEECE, Richard E. STATEMENT BY APPLICANT Group Art Unit 3148 RICHTER (use as many sheets as necessary) Examiner Name P00637-US-01 (17884.0002) Attorney Docket Number Sheet of 5 **U.S. PATENT DOCUMENTS** Pages, Columns, Lines, U.S. Patent Document Date of Publication of Where Relevant Name of Patentee or Applicant Cited "Document Examiner Cite Kind Code 2 Passages or Relevant No. MM-DD-YYYY Figures Appear of Cited Document Initials* Number (if known) 04-21-1987 Arbisi et al. 4,659,485 4,690,756 Van Ry 09-01-1987 $\overline{}$ 4,704,204 Kaelin 11-03-1987 Kortmann 02-09-1988 4,724,086 03-22-1988 4,732,682 Rymal 4,786,419 Mouratoglu et al. 11-22-1988 Meyer-Rudolphi et al. 04-11-1989 4,820,412 4,857,350 Iwasaki et al. 08-15-1989 03-06-1990 4,906,359 Cox, Jr. Labesque et al. 03-27-1990 4,911,849 10-09-1990 4,961,400 Lapray 10-15-1991 5,057,230 Race Beard et al. 01-28-1992 5,084,167 5,110,741 Ohi et al. 05-05-1992 House 05-26-1992 5,116,501 Williamson et al. 05-26-1992 5,116,506 07-28-1992 5,133,876 Tharp 5,160,459 Guarnaschelli et al. 11-03-1992 12-01-1992 Arbisi et al. 5,167,878 02-09-1993 5,185,085 Borgren 03-16-1993 5,194,144 Blough 10-26-1993 5,256,282 Chang et al. Iwatsuka 11-16-1993 5,262,051 5,264,130 Etlin 11-23-1993 03-15-1994 5,294,340 Stog Semprini et al. 04-12-1994 5,302,286 Rogalla 05-24-1994 5,314,621 07-19-1994 Murphree 5,330,639 Heinig, Jr. 10-04-1994 5,352,369 11-08-1994 5,362,400 Martinelli 5,380,471 Ban et al. 01-10-1995 Ott, deceased et al. 5,391,328 02-21-1995 06-13-1995 5,423,979 Allen 03-05-1996 5,496,505 Walla et al 08-06-1996 Pichardo 5,543,089 10-29-1996 5,569,416 Cross 01-07-1997 Hong 5,590,551 5,591,001 Ray et al. 01-07-1997 01-21-1997 Hsu 5,595,691 Ξ 5,624,565 Lesevre et al. 04-29-1997 Loy et al. 06-17-1997 5,639,371 5,741,443 Gemza 04-21-1998 06-30-1998 5,772,886 Bettle _ 5,783,118 Kolaini 07-21-1998 07-28-1998 McKinney 5,785,854 _ 5,863,031 Veeder et al. 01-26-1999

5,874,001

5,876,639

5,885,466

5,948,326

5,988,601

6,017,020

6,032,931

6,050,550

3,737,382

Carter

Kelly

Pate

Campau

Burgess

Plunkett

Russo

Burgess

Fletcher et al.

Baughman et al.

02-23-1999 03-02-1999

03-23-1999

09-07-1999

11-23-1999

01-25-2000

03-07-2000

03-07-2000

04-18-2000

06-05-1973

Substitute for form 1449A/PTO Complete if Known Application Number 10673927 9/29/03 INFORMATION DISCLOSURE Filing Date First Named Inventor SPEECE, Richard E. STATEMENT BY APPLICANT 3748 RILHTER Group Art Unit (use as many sheets as necessary) 3 of 5 **Examiner Name** Attorney Docket Number P00637-US-01 (17884.0002) Sheet

Sheet	L	3 0	1 1 5			637-US-01 (17884.0002)
				U.S. PATENT DOCUMI	ENTS	
		U.S. Patent Do	cument		Date of Publication of	Pages, Columns, Lines, Where Relevant
Examiner Initials*	Cite No.		Code 2	Name of Patentee or Applicant of Cited Document	Cited "Document MM-DD-YYYY	Passages or Relevant Figures Appear
		4,094,774	1	Smith	06-13-1978	
5/0		4,126,544		Baensch et al.	11-21-1978	
		4,157,304		Molvar	05-05-1979	
		4,210,534		Molvar	07-01-1980	
		4,224,158		Molvar	09-23-1980	
		4,347,143	_	Righetti	08-31-1982	
		4,695,378	·	Ackman et al.	09-22-1987	
		4,749,493		Hicks	06-07-1988	
-		4,749,527		Rasmusen	06-07-1988	
		4,793,919		McCorquodale	12-27-1988	
		4,863,643		Cochran	09-05-1989	
		4,867,918		Kiyonaga et al.	09-19-1989	
		4,885,084		Doyle	12-05-1989	
		4,956,080		Josefik	09-11-1990	
_		5,013,429		Krofta	05-07-1991	
		5,045,202		Steams et al.	09-03-1991	
		5,080,802		Cairo, Jr. et al.	01-14-1992	
		5,087,377		Josefik	02-11-1992	
		5,152,888		Koyama	10-06-1992	
		5,167,806		Wang et al.	12-01-1992	
		5,200,080		Bergman, Jr. et al.	04-06-1993	
		5,356,600		Kiyonaga et al.	10-18-1994	
		-5,380,471		Ban et al.	01-10-1995	
		5,403,522		Von Berg	04-04-1995	
		5,437,784		Meinecke et al.	08-01-1995	
		5,436,176		Eckert	10 31 1995	
<u> </u>		5,494,583		Dieter	02-27-1996	
		5,525,242		Kerecz	06-11-1996	
_=		5,814,222 5,904,851		Zelenák et al. Taylor et al.	09-29-1998 05-18-1999	
				Mazzei	09-14-1999	
		5,951,922 5,935,490		Archbold, et al.	08-10-1999	
		5,211,916		Cheng	05-18-1993	
		4,102,650		Spevack	07-25-1978	
		5,118,415		Weis et at.	06-02-1992	
=		1,863,111		Greve	06-14-1932	
		3,201,919		Long	08-24-1965	
		4,344,774		Skipper	08-17-1982	
		4,790,355		Kennedy	12-13-1988	
_		5,252,229		Rojey et al.	10-12-1993	
		6,066,193		Lee	05-23-2000	
~		6,113,675		Branstetter	09-05-2000	
_		6,322,055		Speece	11-27-2001	
_		4,048,072		McCullough	09-13-1977	
_		5,463,176		Eckert	10-31-1995	
-		6,280,157	Bl	Соорет	08-28-2001	
		6,223,540	Bl	Egermeier	05-01-2001	
		6,161,467		A'Hearn et al	12-19-2000	
		6,059,537		Cygnor	05-09-2000	
	_	5,819,524		Bosley et al	10-13-1998	
		5,784,885		Ishihama et al	07-28-1998	
	L	5,755,091		Johnson	05-26-1998	
		5,463,879		Jones	11-07-1995	
		5,238,253		Sieghartner	08-24-1993	
5/		5,096,386	_	Kassel	03-17-1992	
		5,011,369		Mine et al	04-30-1991	

Substitute for form 1449A/PTO					Complete if Known			
					Application	Application Number /0 6		10 613 927
INFORMATION DISCLOSURE					Filing Date	!	9/2	29/03
		MENT BY AP			First Name	d Inventor	SP	EECE, Richard E.
STATEMENT BY AFFLI			LLI	CAN	Group Art U	Jnit		3748
	(use	as many sheets as n	ecess	ary)	Examiner Name		RICH1AR	
Sheet		4 of	5		Attorney Do	ocket Number	P0	0637-US-01 (17884.0002)
				U.S. PATEN	T DOCUMI	ENTS		
Examiner Initigls*	Cite No.	U.S. Patent Docum Kind Co Number (if known	de ²	Name of Patente of Cited D		Date of Publicatio Cited "Documer MM-DD-YYY	nt	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
\$4		4,930993		Han		06-05-1990		
		4,724,677		Foster		02-16-1988		
		4,650,404		Kusakawa		03-17-1987		
	<u></u>	4,508,492		Kusakawa et al		04-02-1985		
		4,451,213		Takei et al		04-29-1984		
	<u> </u>	3,614,256		Sieghartner	<u> </u>	10-19-1971		
		6,485,003		Speece		11-26-2002		
		6,474,627		Speece		11-05-2002		
	l	US2001/0018026	A1	Lampe et al		08-30-2001		
	<u> </u>	20020066970		Speece		06-06-2002		
3/		4,418,540	1	Kasparian et al.		12-6-1983		1

• This patent issued on a continued prosecution application filled under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2). Under the Panerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Examiner Signature				FO	Date Considere REIGN PATENT DOCU		ENTS		
Examiner Initials*	Cite No. ¹		eign Patent Documen Kind Code ² Number ⁴ (if known	ıt ı	Name of Patentee or Applicant of Cited Document	ı	Date of Publication of Cited "Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	76
or or		WO SU GB	79/00350 1639707 1,455,567		Caterpillar Tractor Co. Belaruss Kirov Techn Ins Smith et al.	0	06-28-1979 17-04-1991 11-08-1973		
						\pm			

^{*}EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.

this form with communication to applicant.

¹Unique citation designation number. ¹See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Stand St. 3). ⁴For Japanese patent documents, the indication the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO				Complete if Known			
				Application Number	10673927		
IN	FORMATI	ON DISCLOSI	JRE	Filing Date	9-29-63		
STATEMENT BY APPLICANT				First Named Inventor	SPEECE		
				Group Art Unit	3748		
	(use as many	sheets as necessary)	Examiner Name	RICH TER		
Sheet	5	of		Attorney Docket Number			

Please type a plus sign (+) inside this box → □

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate, title of the ltem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Publisher, city and/or country where published.	T²						

Under the Paperwork Reduction Act of 1999, no parsons are required to respond to a confection of information unless it contains a valid Civio condo indiancer.							
Examiner Signature	Splath	Date Considered	9-10-04				

Unique citation designation number. ¹Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



^{*}EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.